

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD - STEAM SHIPS.

NEWCASTLE-ON-TYNE

73695  
Index No. 29437  
(For London Office only.)

SAT. OCT. 23 1920

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey **NEWCASTLE-ON-TYNE**

Date of Survey *During construction*

Name of Surveyor *J. Webb*

Ship's Name **Wood Skinner's No 220. "WHITEMANTLE"**  
Number in Register Book  
Port of Registry and Nationality **London British**  
Official Number **145077**  
Gross Tonnage  
Date of Build **1920.**  
Particulars of Classification **+100.A.1. Contemplated**

**RETAIN**

Registered dimensions from hip's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	260.1	37.75	16.35	1305.95
Length on LOADLINE.	259.94	Frame Depth $8\frac{1}{2}$ Rule $\frac{4}{1}$ Sheer $+1.70$	Ceiling $+2.20$ Sheer $+1.70$	Peak Tanks
		Diff. $-58.66$		+14 tons for Raised. D. B aft
CORRECTED DIMENSIONS.	259.94	37.1909	17.27	1319.95 1305.95

Moulded Depth as measured..... **18'-7"**  
Addition for Keel below base line for draught record..... **12** inches.

NOTE.— If the depth is measured when vessel is afloat, the details of measurement should be reported.

Co-efficient of fineness..... **.782.792**  
Any modification necessary [Para. 4 (a) to (e)]\* **C.D.B.**  
Co-efficient as corrected..... **.76.77**

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	260.
Length in Table .....	223
Difference .....	37
Correction for 10ft., Table A.....	1.1
× Difference divided by 10 .....	4.07
If $\frac{1}{10}$ ths length covered divide by 2.....	2.03
	<b>+2</b>

Sheer { Stem..... **84** }  $124 \div 2 = 62$  Mean **26.04**  
at { Sternpost ... **40** } **36** **.72**  
Sheer at  $\frac{1}{2}$  of the length from { Stem **46** }  $68 \div 2 = 34$  Mean  
{ Sternpost **22** } **62.04** **+55.62.04**  
Gradual mean Sheer..... **66.02**  
Standard mean Sheer [Table, Para. 18]..... **36.00** Correction  
Difference..... **26.02**  $\div 4 = -6.5$

CORRECTION FOR IRON DECK.  
Proportion covered, if less than  $\frac{7}{10}$ ths length covered..... **.70**  
Thickness of usual wood deck, less stringer..... **-3 1/2**

Rise in Sheer { At front of bridge house.....  
from amidships [Para. 18 (e)] { At after end of forecastle .....

CORRECTION FOR ROUND OF BEAM.  
Breadth at Gunwale amidships..... **36.6**  
Round of Beam..... **9 1/2**  
Normal round..... **9.15**  
Difference..... **.35**  $\div 2 = .17$   
Proportion of Deck uncovered (Para. 19)..... **.30**

Sheer { 18 (d) }  $\div 2 =$   
uncovered .....

Freeboard, Table A .....	<b>3-5 1/2</b>
Correction for Sheer .....	<b>-6 1/2</b>
Correction for Length .....	<b>2-11</b>
Allowance for Deck Erections .....	<b>+2</b>
Correction for Round of Beam.....	<b>1 1/2</b>
Correction for fall in Sheer (if any).....	<b>2-1 1/2</b>
Correction for Iron Deck (if required) .....	<b>-3 1/2</b>
	<b>1-10</b>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	
Other Corrections (if any) .....	

ALLOWANCE FOR DECK ERECTIONS:—  
Table C..... **1-11**  
or Length, if required (Para. 12, 13, and 14) .....

Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14)..... **2-11**  
Difference..... **1-10**  
Percentage as below..... **52.97**  
**11.6**

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)  
All allowance for Deck Erections..... **-11 1/2**

	Length.	Length allowed.	Height.
Forecastle.....	28.5	28.5	7.0
Bridge House <i>and R.Q.D.</i> .....	51.75	51.75	7.0
† Raised Qr. Dk.....	101.4 $\times \frac{4}{11}$ <i>Clear of Bridge</i>	98.83	4.0
Poop.....			
Total.....	181.65 $\div 1.1$ <b>165.14</b>	178.88	<b>.686</b>

Winter Freeboard..... **1-10**  
Summer Freeboard..... **1-7 1/4**  
Indian Summer Freeboard..... **1-4 1/2**  
N. A. Winter Freeboard..... **2-0 1/2**  
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the ~~wood~~ iron deck with side. **1 1/2**

Length of Ship..... **259.94**  
Corresponding percentage (Para. 11, 12, 13, or 14)..... **52.9%**

Winter Freeboard from deck line..... **1-11 1/2**  
Summer " " "..... **1-8 3/4**  
Indian Summer " " "..... **1-6**  
N. A. Winter " " "..... **2-2**

**FREEBOARD** recommended amidships from centre of Disc to top of Statutory Deck Line, **Wood** (Iron) Deck:—  
Fresh Water Line above centre of Disc..... **26.10.20**  
Indian Summer Line " " ".....  
Winter Line below " " ".....  
Winter North Atlantic Line " " ".....

Winter Freeboard from deck line..... **1-8 1/2**  
Summer " " "..... **4**  
Indian Summer " " "..... **2 1/2**  
N. A. Winter " " "..... **8 1/2**

† If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.  
‡ In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.  
§ In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and sternpost. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and sternpost.

† State dimensions of freeing port area on back of this form.  
‡ The Surveyor should state whether the fall in sheer as reported is measured relatively to the straight line of keel or to the water line. If measured relatively to water line the vessel's draft at time of survey, and also the usual load draft forward and aft, should be reported.

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Do all the Frames extend to the top height in the Poop?  Raised Quarter Deck? *Yes* Bridge House? *Yes*

To what height do the Reverse Frames extend? *Deep hull angle frames in beam of main*

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes*

Give particulars of the means for closing the openings in Bulkhead *no openings*

Is the Poop or Raised Quarter Deck connected with the Bridge House? *Bridge House on R. Q. D.* Has the Bridge House an efficient Bulkhead at the fore end? *no openings*

Give particulars of the means for closing the openings in Bulkhead *no openings*

What is the thickness of the Bridge Front plating? *.34* and Coaming plate? *.38*

Give scantlings and spacing of the Stiffeners *7x3x.50 B. A. spaced 30" apart*

Are bracket plates fitted at each end of the Stiffeners? *Yes* Are hor'l. brackets fitted connecting Bridge Bulk d. with Bulwarks? *on top of Raised Quarter Deck*

Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*

How are the openings closed? *storm board full height in riveted channels*

Is the Forecastle at least as high as the main or top-gallant rail? *Yes* Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *Yes*

Are the Engine and Boiler openings covered by a Bridge, ~~Deck~~, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Yes*

If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *Yes*

Give thickness of plating; scantlings and spacing of Stiffeners *.30. O. A. 3x22x.30 spaced 27"*

What is the height of the exposed Casings? *7'-0" ER: 2'-6" BR* Are suitable means provided for closing all openings in them in bad weather? *Yes*

Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below:— *Yes*

Position and Size.	No. 1: 30-5 x 25-0		No. 2: 32-11 x 25-0		No. 3: 31-6 x 25-0		No. 4: 28-6 x 25-1		Ship.	Rule.
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.		
COAMING.										
Height above top of DECK	3'-6"	3-6	3-6	3-6	3-0		3-0			
Thickness	Sides.....	.44	.44	.44	.44					
	Ends.....	.44	.44	.44	.44	do.	do.			
SHIFTING BEAMS OR WEB PLATES.	Number.....	2 webs		do.		do.				
	Section and Scantlings.....	3 beams		do.		do.				
	Material.....	7/8 5 1/2 x 3 x .46 angles		7/8 4 x 3 1/2 x .50		Beam same as in No 152 Hatches but webs 34		28 deep metal of 40-34		
* FORE AND AFTERS.	Number.....									
	Section and Scantlings.....	none		do.		do.		do.		
	Material.....									
HATCHES Thickness.....	3"									
Remarks.....	last forecast.		do.		do.		do.			

\* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.  
 (If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.  
 What is the thickness of the Bridge Sheerstrake? *Strake between Main and Bridge Sheerstrakes?*

Delete the words *The Crew are, are not, berthed in the bridge house.*  
 that do not apply *The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.*

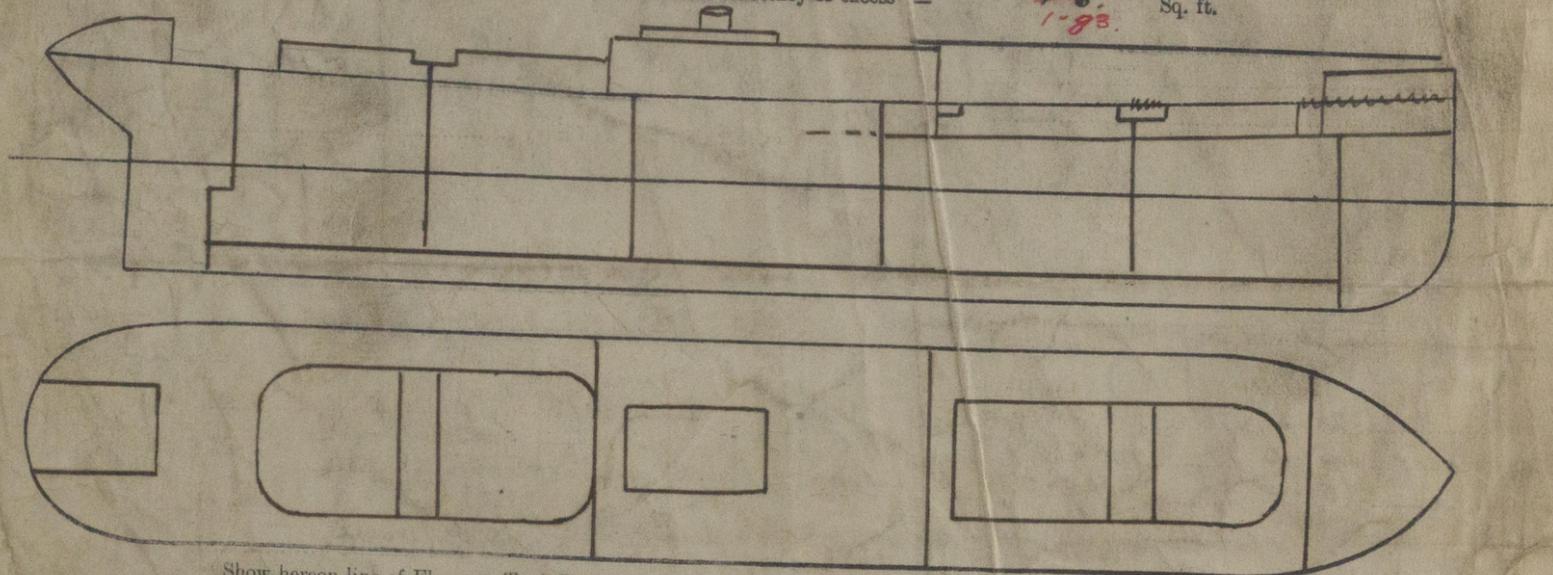
Length of Bulwarks in well *80-0 78-35*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *15-67* Sq. ft.

Ft. Tenths. Ft. Tenths. No. } Freeing Ports (each side of vessel) = *17-50* Sq. ft.

*3-25 x 1-25 x 4*  
*2-33 x 1-33 x 1*  
*oval*

Total deficiency or excess = *1-83* Sq. ft.



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel *This vessel is a sister ship to S/S Gaslight*  
*Freeboard Report No 73395 hwc. Approved plan of Midship Section*  
*Profile & deck plans & hatchways are forwarded herewith 2019*

Owners *4 plans*  
 " Address  
 Fee £ *3. 3. 0.* Received by me

